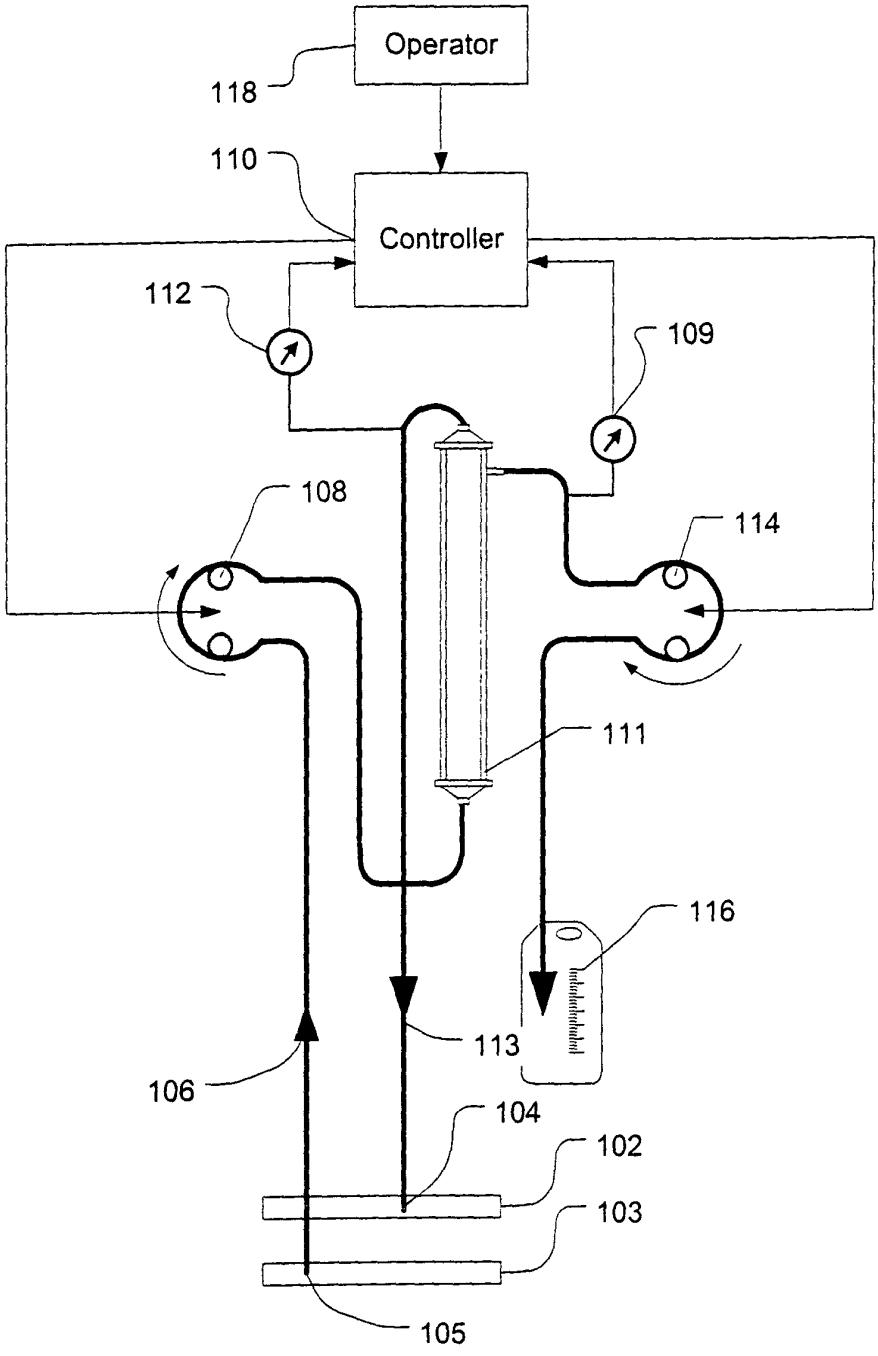
Figure 1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Controller
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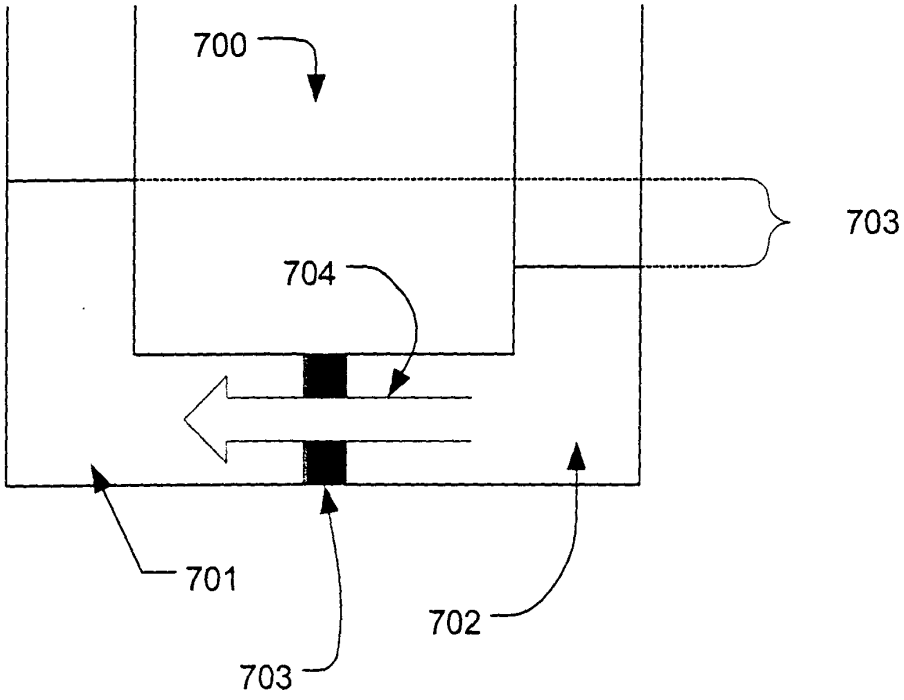
Figure 2



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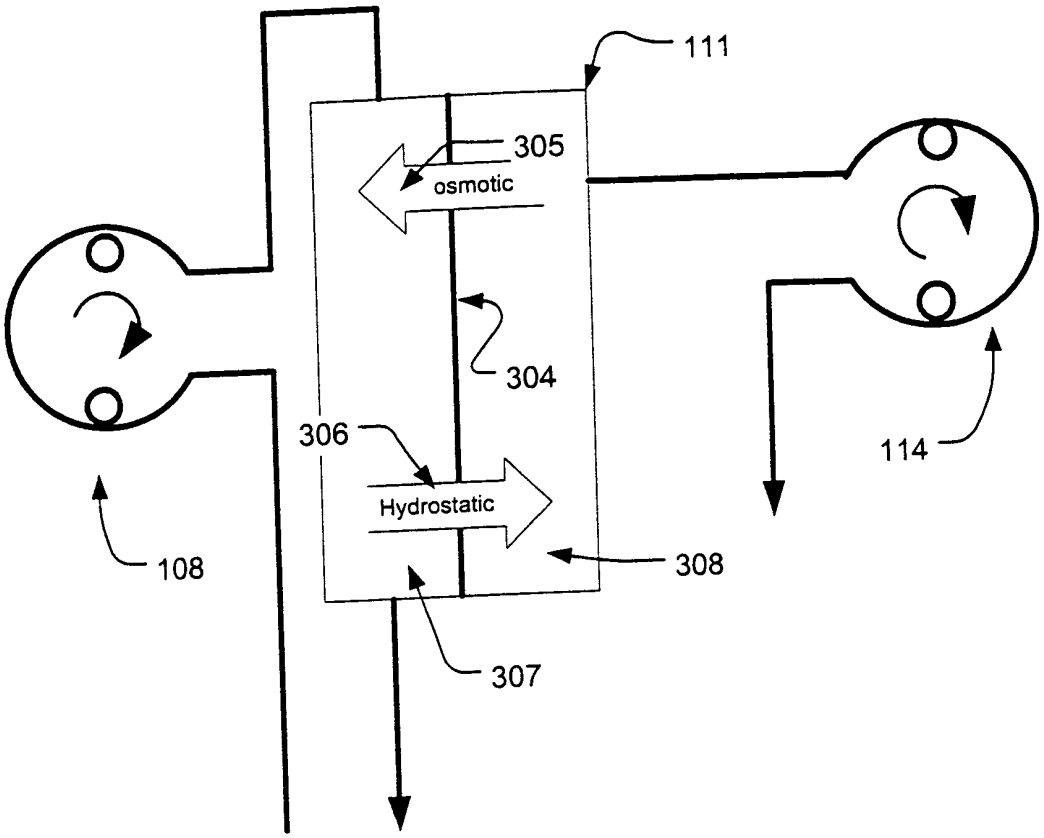

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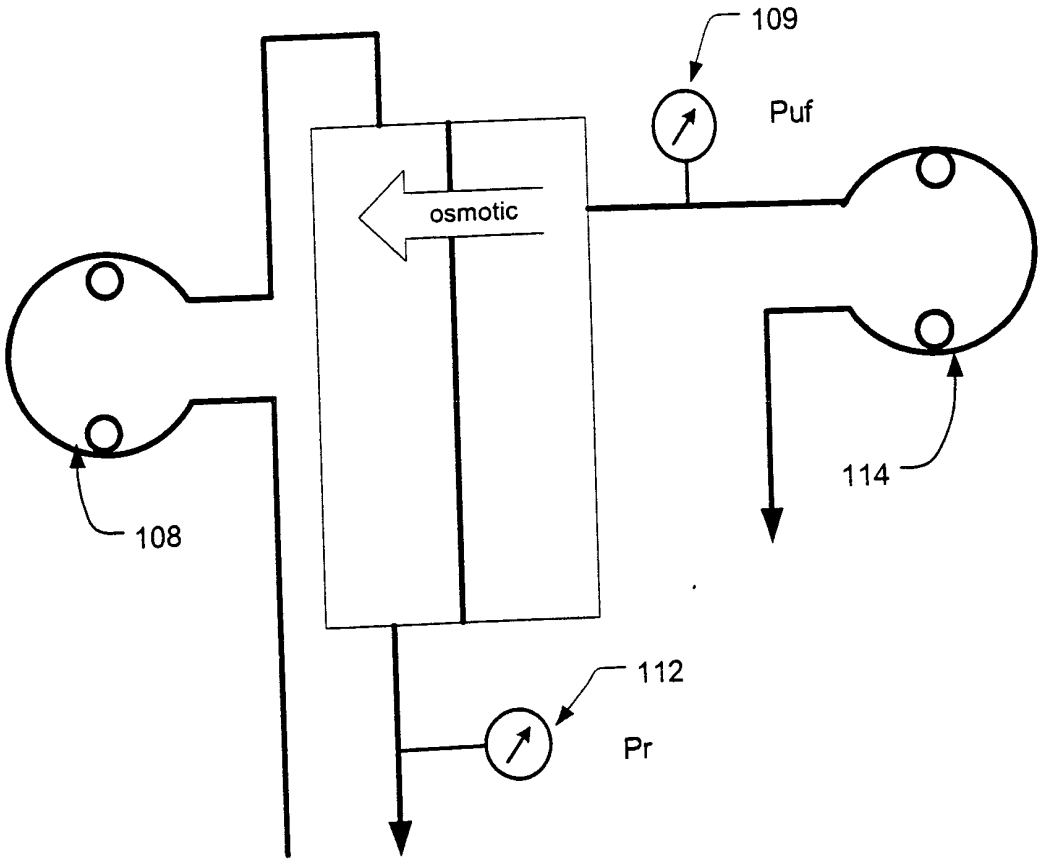

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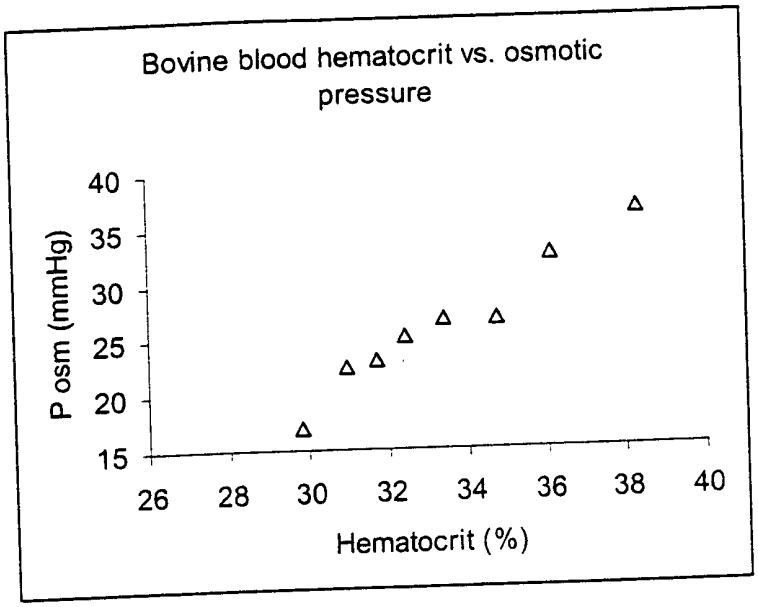


Figure 6

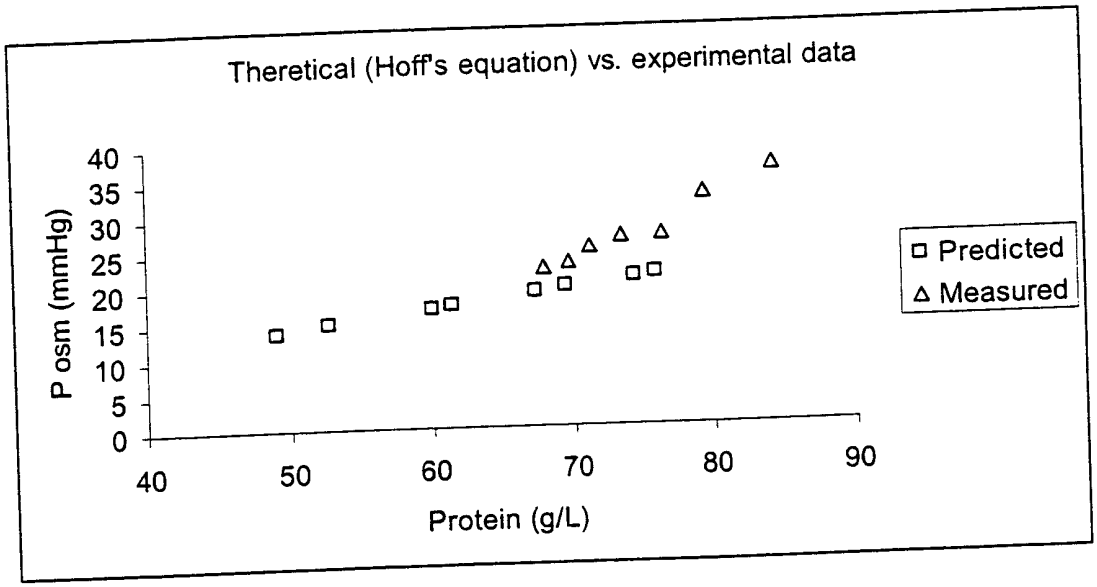


Figure 7

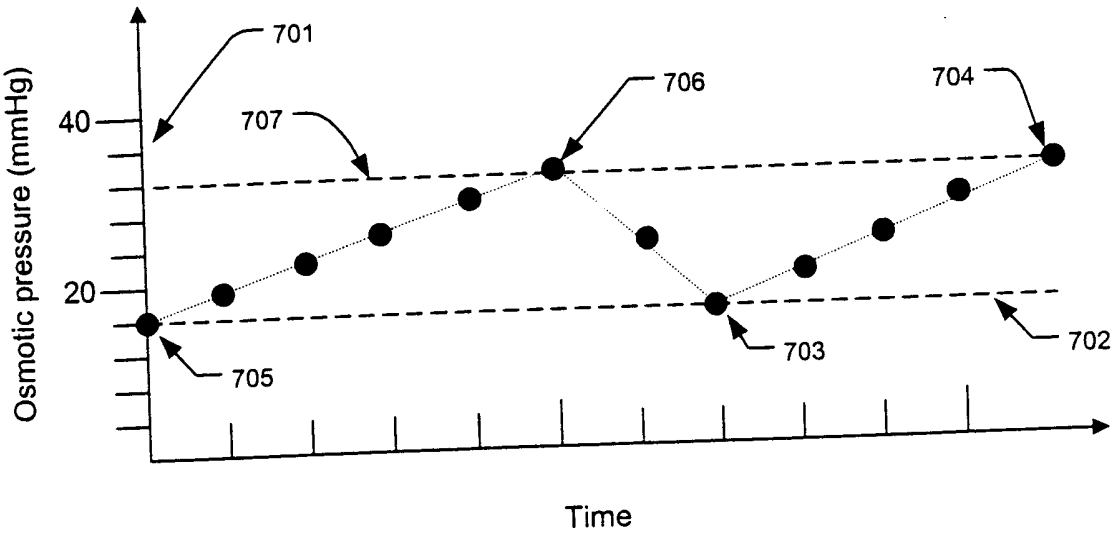


Figure 8

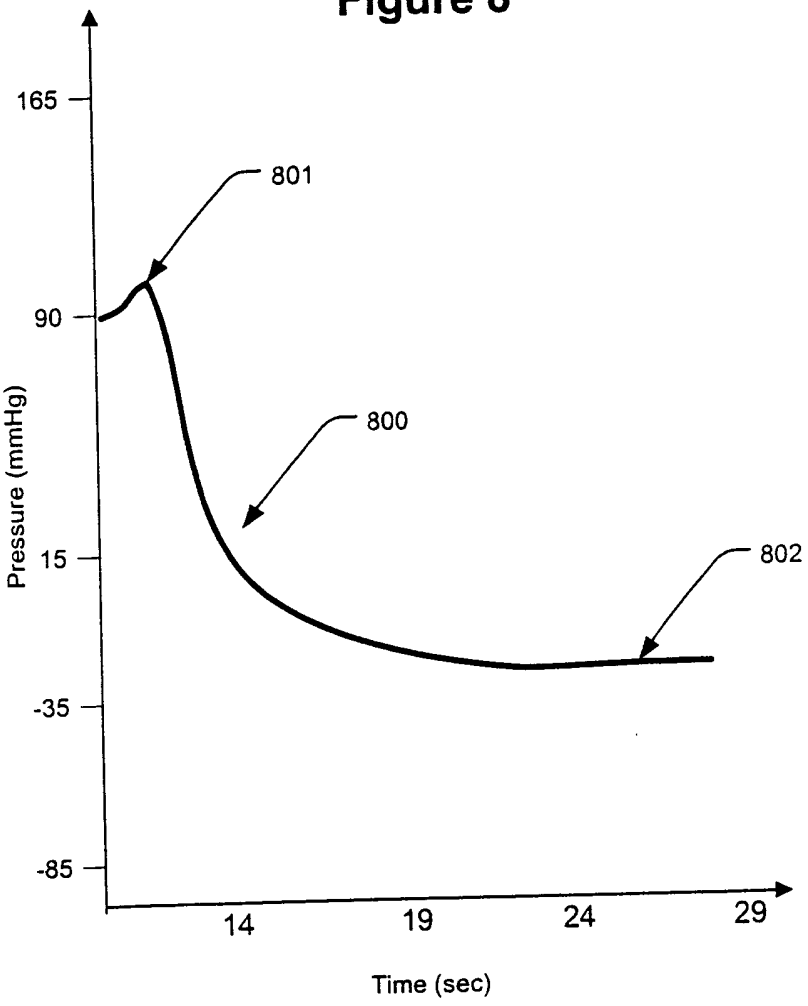
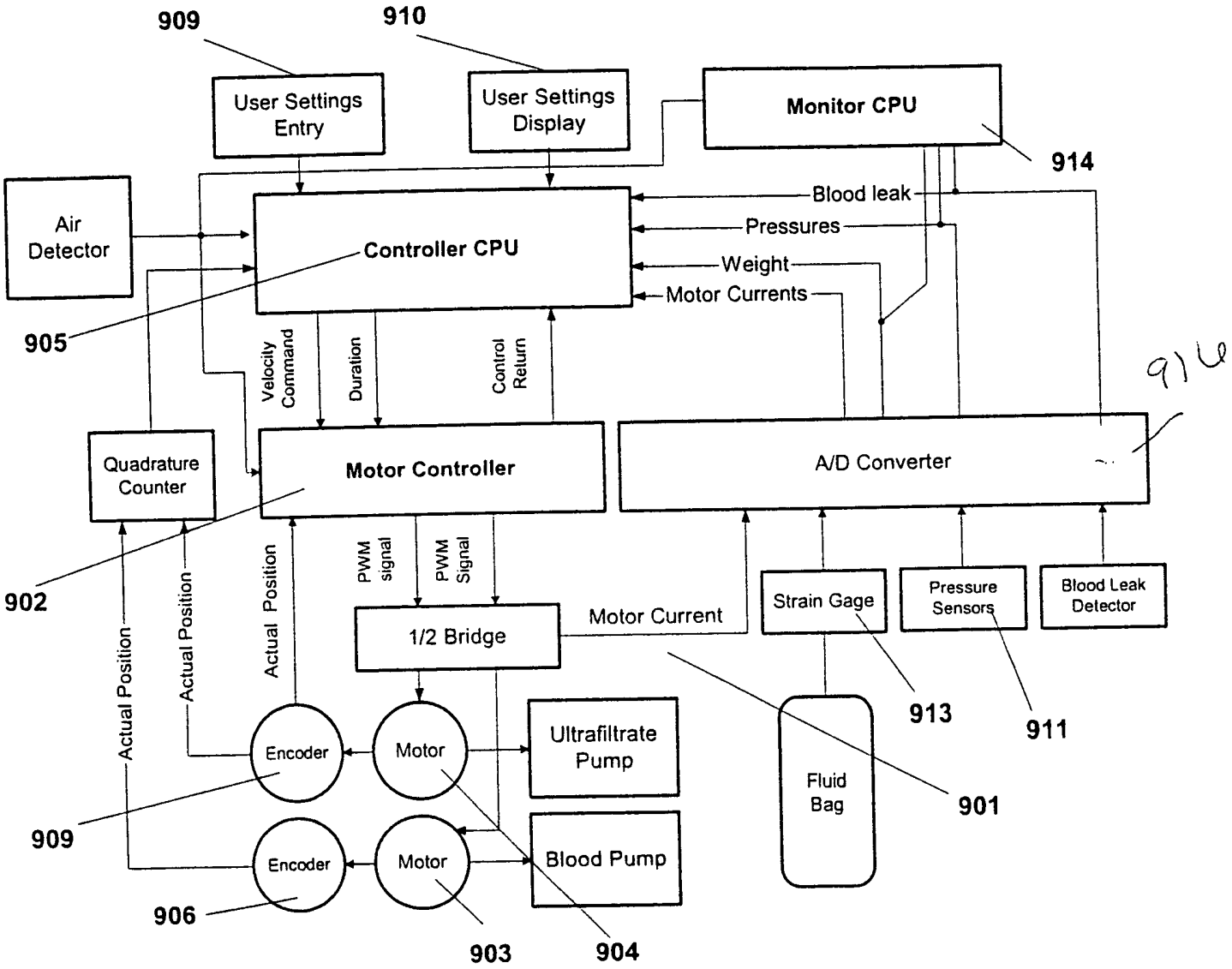


Figure 9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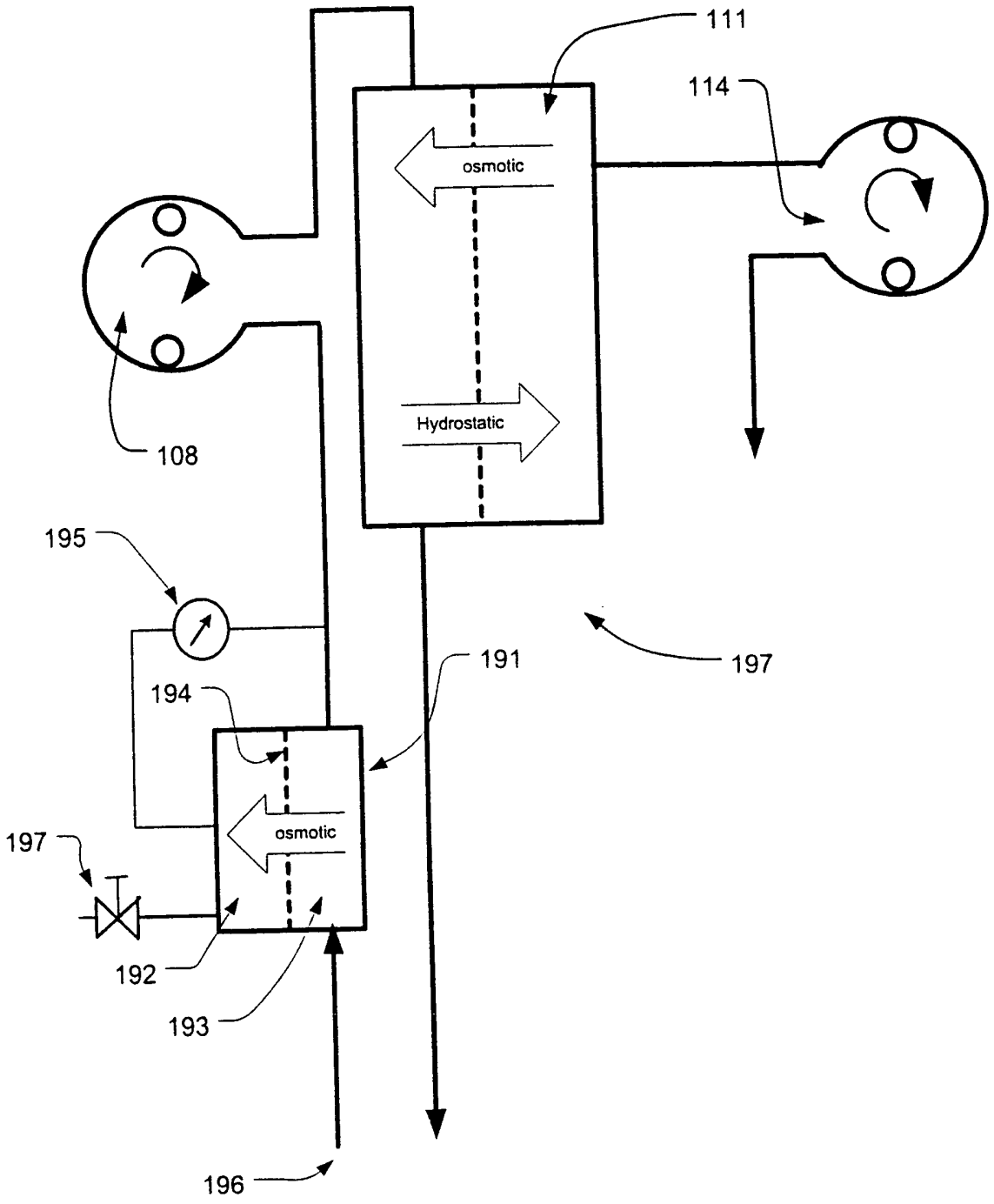
User Settings Entry
User Settings Display
Monitor CPU
914
Air Detector
Controller CPU
Blood leak
Pressures
Weight
Motor Currents
905
Velocity Command
Duration
Control Return
916
Quadrature Counter
Motor Controller
A/D Converter
902
PWM signal
PWM Signal
Actual Position
Actual Position
Actual Position
1/2 Bridge
Motor Current
Strain Gage
Pressure Sensors
Blood Leak Detector
913
911
Encoder
Motor
Ultrafiltrate Pump
Fluid Bag
901
909
Encoder
Motor
Blood Pump
906
903
904

900

Figure 10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